

**Amendment to the Specification**

Please replace paragraph [0068] with the following amended paragraph:

FIG. 8 shows a logging tool (80), according to one embodiment of the invention, disposed within a well on a wireline (11). The tool (80) has a transmitter antenna (81), a bucking antenna (83), and a receiver antenna (87). The bucking antenna (83) can be connected in inverse polarity to either the transmitter antenna (81) or to the receiver antenna (87). Transmitter electronic circuitry (89) is connected to the transmitter antenna (81) to provide time-varying electric currents to induce time-varying magnetic fields. Power supply (91) feeds the circuitry (89). Receiver circuitry (85) is connected to the receiver antenna (~~87~~83) to detect and measure resulting EM signals.